

**MOPSY by GLADYS PARKER**



BY ROGER Q. WILLIAMS

**PISTONS TRAVEL FURTHER THAN AIRPLANES**

Few folks jockeying throttles or horsing airplane controls while heading their aerial steeds thither and yonder ever suspect what is under the engine hood. And who cares whether rubberbands, compressed air, gasoline, steam or atomic power turns over the propeller, just so long as the blooming thing don't stop in flight.

If one cared to investigate what goes on under the hood, he would discover the startling fact that engine pistons travel further than the airplane, and here's the reason why.

Let's take the case of the puddlejumper. Its engine is usually of the four-cylinder double opposed type. Each piston has a four-inch stroke and travels twice up and twice down for a complete cycle of intake, compression, power and exhaust. Therefore, each revolution the pistons travel 4" (stroke) x 4 (pistons) x 4 (strokes) which equals 64" per complete revolution.

Since the average small engine cruises at 2100 revolutions-per-minute, the travel per minute will be 2100 x 64" or 134,400". In an hour of cruising flight they will have gone 60 x 134,400" or 8,064,000". Reduced to feet it amounts to 672,000 feet. Further reduced to miles, it figures 127.2 miles of travel. Most airplanes of the light variety travel 90 miles-per-hour in still air at cruising speed, therefore, the pistons have exceeded the airplane in miles by 37.2 for each cruising hour.

In bimotored airplanes this same condition exists on a different ratio because the engines are either of the nine or fourteen cylinder type with a longer

stroke. However, there is another interesting thing that takes place in bimotored airplanes. Power torque for both engines being in the same direction, viz., to the left, causes the left engine to work harder than the right to overcome the constant pull to the left and the parasite drag of the rudder control which keeps the airplane on its course.

The P-38 fighter plane is an exception to this peculiarity because the engines have left and right handed engines wherein the torque of one engine opposes that of the other, this requiring each engine to do the same amount of work and travel the same distance.

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**H. B. Lewis Now With Seminole, Texas, Chamber**

Announcement of the appointment of H. Burton Lewis to the post of manager of the Seminole, Texas, Chamber of Commerce was made by H. B. Gates, president, today.

Lewis, who was born in Hallettsville, Texas, was for two years, executive secretary of Torrance Chamber of Commerce, prior to which he served as aviation manager of the Lubbock Chamber of Commerce.

Seminole is the county seat of Gaines county, with an estimated population of 5,000. An oil town, it is approximately 75 miles southwest of Lubbock.

**NOT AN EXPERIMENT**

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- Thursday, May 29  
Mr. and Mrs. Wesley C. Dobrick, 2416 Cabrillo ave.,
- Friday, May 30  
Mr. and Mrs. Frank Church, 2419 251st st., Lomita
- Saturday, May 31  
Mr. and Mrs. Roy Volz, 1903 Arlington ave.,
- Sunday, June 1  
Mr. and Mrs. Rollin C. Williams, 21731 Halldale ave.,
- Monday, June 2  
Mr. and Mrs. J. B. Smith, 1443 Carson st.,
- Tuesday, June 3  
Mr. and Mrs. William Preddy, 21736 Figueroa
- Wednesday, June 4  
Mr. and Mrs. Tom Willacy, 2144 W. 240th st., Lomita

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**BACON SQUARES**

BROKEN SLICES

**Bacon**

**29<sup>c</sup> lb**

LADY'S CHOICE PURE  
1-lb. Jar

**STRAWBERRY PRESERVES**

**33<sup>c</sup>**

EXTRA FANCY ARIZONA DESERT

**Grapefruit**

**25<sup>c</sup> doz**

**Groceries**

Blue Bonnet

**OLEO 36<sup>c</sup>**

1-lb. Pkg.

CITRUS  
Gran. Soap

Large 29<sup>c</sup>  
Pkg.

HUNT  
PORK & BEANS

No. 2 1/2 21<sup>c</sup>  
Can

SWIFT'S BROOKFIELD

American Cheese 70<sup>c</sup>  
2-lb. BOX

MONARCH

Sliced Beets

15 1/2 oz. 15<sup>c</sup>  
JAR

KRAFT  
DINNER

7 1/2 oz. 11<sup>c</sup>  
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Gold Medal

BISQUICK 41<sup>c</sup>  
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DR. ROSS  
DOG FOOD

1-lb. Can 2 for 21<sup>c</sup>

FLOTILL  
PEACHES

Halves or Sliced Large 26<sup>c</sup>  
2 1/2 Can

DEL MONTE  
SOLID PACK

Tomatoes 36<sup>c</sup>

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**THE VERY BEST IN MEATS**

BABY - BEEF  
RIB or SIRLOIN

**STEAK**

39<sup>c</sup> lb

Round Bone — Seven Bone  
BLADE CUT

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BABY BEEF

Round Steak 49<sup>c</sup> lb

ALL BEEF SKINLESS  
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**FRUITS & VEGETABLES**

Fancy All Green

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**APPLES**

5 lbs. 25<sup>c</sup>

Special! Special!  
All Green Young & Tender

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2 lbs. 15<sup>c</sup>

Extra Fancy Valencia Juice

**ORANGES**

2 DOZ. 15<sup>c</sup>

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